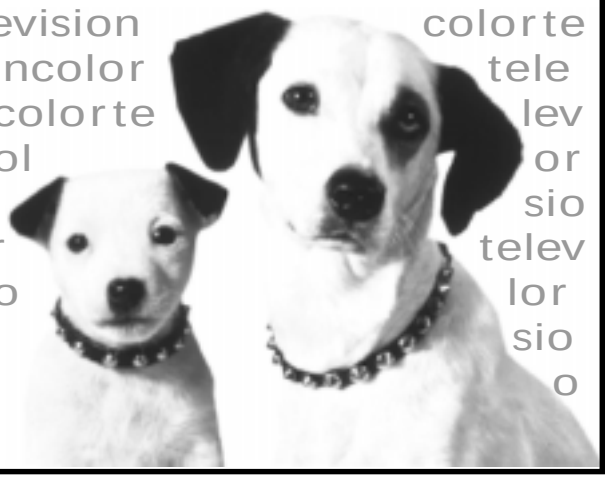
RCA

# USER'S GUIDE



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# Important Information

WARNING

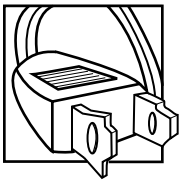
To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

**WARNING**
RISK OF ELECTRIC SHOCK DO NOT OPEN

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.



Caution: To reduce the risk of electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the screen. Such images include network logos, phone numbers, and video games. This damage is not covered by your warranty. Extended viewing of channels displaying these images should be avoided.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card and return it immediately. Returning the card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. The numbers are located on the back of the television.

Model No. _____

Serial No. _____

Purchase Date: _____

Dealer/Address/Phone: _____

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# Getting Started

## Setup and Connection

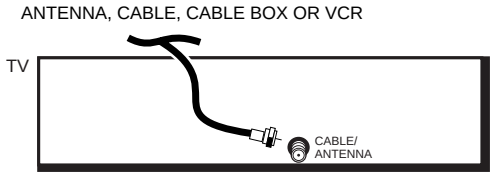
Caution: If you choose to use a stand with your TV, take precautions that the stand or other furniture the TV is placed on is properly located and of adequate size and strength to prevent the TV from accidentally being pushed off, pulled off, or tipped over. This could cause damage to the TV and/or personal injury.

Step 1:

Unpack the TV and remote control.

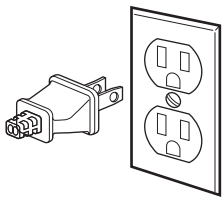
Step 2:

Connect your TV. Connect the cable from your cable system or off-air antenna to the cable in-jack on the back of the TV, as shown.




Step 3:

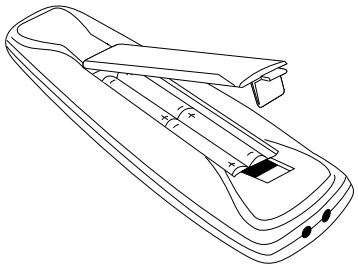
Plug in the TV. Plug the end of the power cord into the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.



Step 4:

Put batteries in the remote.

1. Remove the battery compartment cover from the back of the remote.
2. Insert batteries as shown, matching the + and – ends of each battery in the compartment.
3. Replace the cover.



Step 5:

Turn on the TV.

- Press the POWER button on the remote or front panel.

Read the next section, *Using the Menu System*, which is a brief overview of the basic rules for getting around in the menus using the remote or the TV's front control panel.

Step 6:

Auto Channel Search.

Perform an Auto Channel Search (described in the Channel menu section).

## Channel Marker

The Channel Marker comes up when you first turn on the TV, change channels, or press the DISPLAY button.

08:59 Displays the current time.

WRTV Displays the label assigned to the current channel.

06 Displays the current channel.

Sleep Displayed when the Sleep Timer has been set.

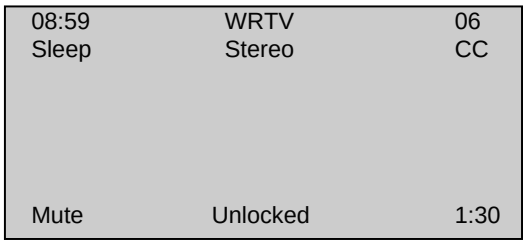
Stereo Displayed when the current channel is broadcasting in Stereo.

CC Displayed when Closed Captioning is available.

Mute Displayed when you mute the audio.

Unlocked Displays whether the V-Chip system is locked, unlocked, or disabled.

01:30 Displayed to count down time left on the commercial skip timer.




*The Channel Marker shown is just an example of what your screen may look like.*

You can press MENU or CLEAR to make the Channel Marker disappear; it will disappear automatically after a short time.



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# Getting Started

## Tour of the TV: the Front Panel

VOL < Decreases the volume. When in the menu system, VOL < is used to point left to items and adjust menu controls.

VOL > Increases the volume. When in the menu system, VOL > is used to point right to items and adjust menu controls.

CHAN ^ Scans up through the channel list. In the menu system, it points up to items and adjusts menu controls.

CHAN v Scans down through the current channel list. In the menu system, it points down to items and adjusts menu controls.

MENU Brings up the Main menu. When in the menu system, it selects highlighted items. Also returns you to the previous menu.

POWER Turns the TV on and off.

## The Point and Select Method

You only need to know one rule to use the on-screen menus and control panels: point and select.

1. Point to a menu item using the VOL +/- to move left or right, and the CH ^/v buttons to move up or down.
2. Select a menu item by pressing the MENU button.

Selecting an item tells the TV's menu system to go ahead and make the change or go to a place you have indicated.

## Tour of the remote

DISPLAY Brings up available channel information.

POWER Turns the TV on and off.

MUTE Turns off the TV's sound. Press again to restore the sound.

PREV CH Returns you to the previous channel.

VOL - or VOL + Decreases or increases the TV's volume.

CHAN ^ or CHAN v Scans up or down through the current channel list. Press once to change channels; press and hold to continue changing channels.

CLEAR Removes any menu or display from the screen and returns you to TV viewing. Also cancels the SKIP timer.

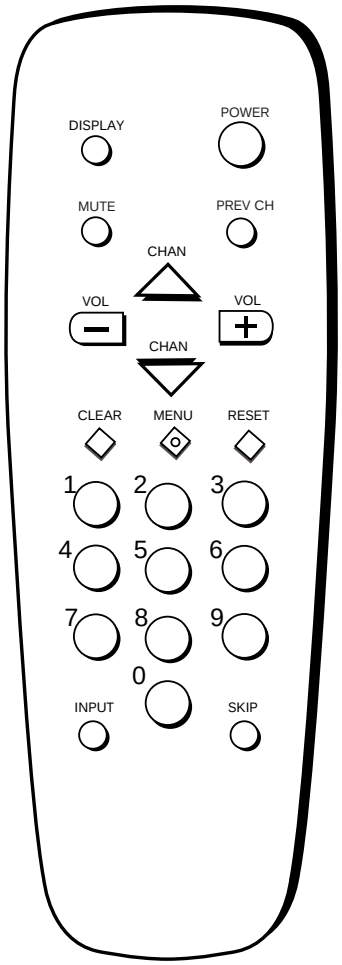
MENU Brings up the Main menu. When in the menu system, selects highlighted items or returns you to the previous menu.

RESET Returns all picture quality controls to their original settings.

(0-9) Number Buttons Enters channel numbers and time settings directly though the remote control. To enter a three-digit channel, press and hold the first digit, then add the second two.

INPUT Press to toggle through available input sources (CH3, CH4, etc.).

SKIP (Commercial Skip)Press once before changing channels. The TV will wait 30 seconds before returning you to the original channel. Press again to add more time. Press CLEAR to cancel the SKIP timer.




### DISPLAY Button Functions

Press once to bring up the channel marker.

Press twice to clear the screen.



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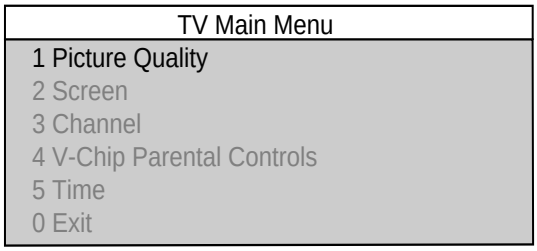
# The Menu System

## TV Main Menu

The Main menu is your gateway to controlling the TV. It lets you adjust the TV's picture quality, screen, channel settings, parental controls, and time functions.

To select a menu item:

1. Press MENU to bring up the TV's Main menu.
2. Use the Point and Select method to make choices.
3. To exit any menu screen, point to *Exit* and press MENU, or press CLEAR.




*The TV Main Menu*

## The Picture Quality Menu

The Picture Quality menu contains five slider controls that adjust the TV's picture. Use the VOL +/- and CH ^/v buttons to adjust the controls.

Contrast Adjusts the difference between light and dark areas of the picture.

Color Adjusts the richness of the color.

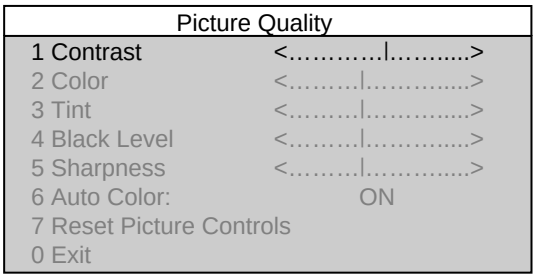
Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

Sharpness Adjusts the crispness of edges in the picture.

Auto Color Displays a choice list that lets you turn on the feature that automatically corrects the color of the picture. (This is especially useful for tracking realistic flesh tone colors as you switch from channel to channel.) Choose *On* or *Off*, as preferred.

Reset Picture Controls Resets the picture controls to their original settings.




*The Picture Quality Menu*

**Tip**

You can also use the RESET button on the remote at any time to reset the picture controls to their original settings.

## The Screen Menu

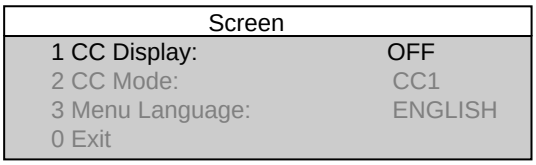
The Screen menu contains the controls that let you adjust the Closed-Caption display, Closed-Caption mode and Menu Language.

Closed-Caption Display Lets you choose the way closed captioning information is shown on the screen. Use the MENU button to toggle between the following:

Off No captioning information displayed.

On Captioning information shown always, when available.

On When Muted Displays captioning information, when available, whenever you press the MUTE button. The captioning information is not displayed when the sound is not muted.




*The Screen Menu*



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# The Menu System

Closed-Caption Mode Lets you choose which captioning mode is used for displaying captioning information. Use the MENU button to toggle between the choices: CC1 and CC2.

Not all programs are encoded with closed-captioning information. When a program is closed captioned, the letters CC are displayed in the Channel Marker.

Menu Language Lets you select the language of your choice: English, French, or Spanish. Use the MENU button to toggle between the choices.

**Closed Caption Modes**

CC1: full translation of the primary language in your area

CC2: secondary language translation, simplified English, or whatever is being broadcast in your area

## The Channel Menu

The Channel menu contains all the commands used to control your channels, including custom-building your channel list.

Signal Type Displays a toggle that lets you select the current antenna type.

Antenna Choose this if you are currently using an off-air antenna for UHF/VHF TV signals.

Cable TV Choose this if you are currently using cable or a cable box for TV signals.

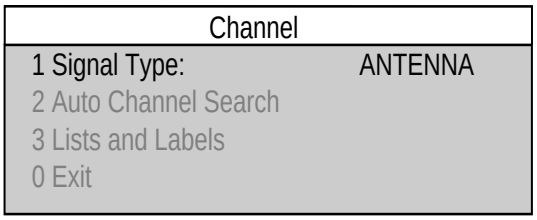
Auto Channel Search Selecting this option tells the TV to search automatically for all the channels available through the antenna input. When the TV finds an active channel, it places it in the channel list. Inactive channels (weak stations or channels with no signal at all) will be removed from the channel list. You may interrupt this process by pressing the MENU button.)

Lists and Labels Displays a control panel that lets you custom-build your channel scan list and choose a four-character label for each channel. Use the VOL +/- buttons to move left and right between fields; use the CH^/v buttons to move up and down enter settings and create labels. Press MENU to exit.

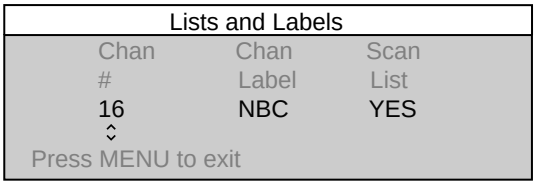
Channel Number Use the CH^/v buttons to scroll through the channel scan list. You can also enter the channel number directly using the number buttons.

Channel Labels Use the CH^/v buttons to enter a four-character label for each channel.

Scan List Only the channels included in the Scan list are available when you scan up and down using the CH ^/v buttons. Use them to indicate whether the channel number indicated is included (YES) or is not included (NO) in the channel scan list.




*The Channel menu*




*The Lists and Labels screen*

**Tip**

You can always press MENU to exit back to the previous screen.



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# The Menu System

## V-Chip and Parental Controls

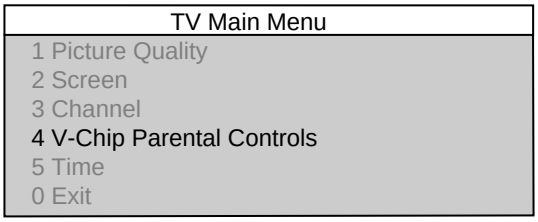
The Parental Controls menu allows you to program your TV so that children cannot see certain programs. When you select *V-Chip Parental Controls*, you will be prompted to enter your password if controls are locked, or to remember to lock controls if unlocked.

The first three choices in the Parental Controls menu involve a chip inside your TV (called V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you believe children should not view. Once you block programs, you or other adults can unblock programs with a password.

When turned "on," the V-chip reads a code that most broadcasters send with programs. That code tells the V-Chip the program's age-based rating and content themes. If you have blocked the rating or content themes that the program contains, you will receive the message, "This program is blocked. Change channel or press DISPLAY to enter password." when you tune to that program.

Broadcasters are not required to provide content themes or age-based ratings. Rated programs received with no content themes will only be blocked if you block their age-based rating. You can also block movies with a rating of "Not Rated" and "unrated" TV programs.

The TV age-based ratings and content themes you can block are listed in the table below.




*Selecting V-Chip Parental Controls*

The V-Chip inside your TV comes turned "off," so if you choose not to implement it, you can just ignore it.

| Age-Based Rating | Description and Content Themes for Age-Based Ratings |
|---|---|
| TV-MA | Mature Audience Only. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: graphic violence (V), explicit sexual activity (S), or crude indecent language (L). |
| TV-14 | Parents Strongly Cautioned. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D). |
| TV-PG | Parental Guidance Suggested. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D). |
| TV-G | General Audience. Most parents would find this program suitable for all ages. It contains little or no violence (V), sexual situations (S), no strong language (L) and little or no sexual dialogue (D). |
| TV-Y7 | Directed to Children 7 years and older. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7. |
| TV-Y | All Children. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children. |



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# The Menu System

## V-Chip Movie Rating Limit

With the *Movie Rating Limit* you can set movie-viewing limits.

### The Movie Rating Limit Screen

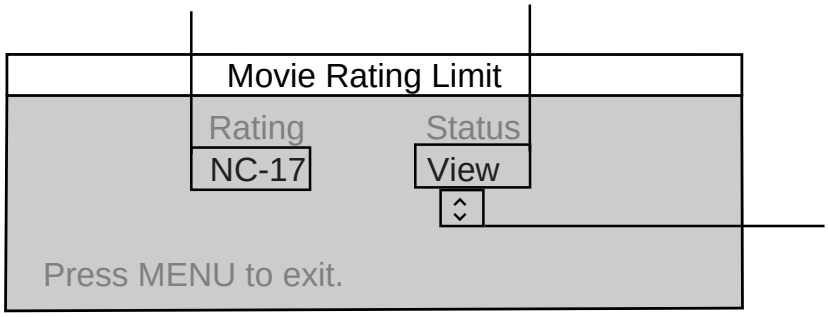
Below is an example of where items are located within the Movie Rating Limit screen.

**Rating field**

Lets you select from a list of age-based ratings you can block or view.

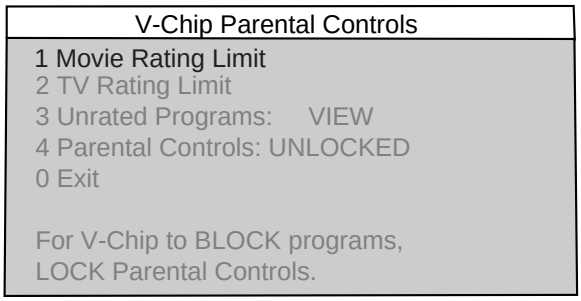
**Rating Status field**

Lets you select whether the status of the age-based rating limit to the left is *View* or *Block*.




**Pointer Highlight**

Lets you see the position of the cursor on the screen.




*Selecting Movie Rating Limit*

### Blocking Movie Ratings

You can automatically block all movie ratings above a specified rating using *Movie Ratings Limit* in the Parental Controls menu.

- To block all movies above a certain rating: In the Rating field, use CH^/v to highlight the *lowest unacceptable* rating. Then highlight the Rating Status field and press the CH ^/v buttons to change the status from *View* to *Block*. All higher ratings will automatically change to *Block*.
- To lock your selection(s): Select *Lock Parental Controls* from the Parental Controls menu. Enter your password (if you have not already set your password, you will be prompted to enter it again to confirm).

### Viewing Movie Ratings

After you block movie ratings, you have the option of changing some of the ratings back to *View*.

- To view movie ratings: Highlight the Rating field and use the CH^/v buttons to find the rating you want to view. Then use VOL+ to highlight the Rating Status field, and use CH^/v to change the status to *View*.

### Overriding Limits

When you override a blocked program by entering your password, the Parental Controls option on the V-Chip Parental Controls menu will read *Disabled*. In this state, access to the Parental Controls menu is still locked, and all controls will be in effect the next time the TV is turned on.



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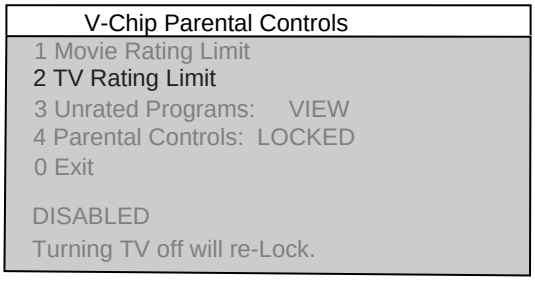
# The Menu System

## V-Chip TV Rating Limit

The V-Chip TV Rating Limit lets you decide which TV programs can be viewed.
To set TV programming limits:

1. Choose *Parental Controls* from the Main menu. If Parental Controls are locked, you must enter your password. If they are not locked, you will get a message reminding you to lock Parental Controls in order for programming limits to take effect.
2. If you did not enter your password, press MENU to continue.
3. Highlight and select *V-Chip TV Rating Limit*.
4. Once you get to the V-Chip TV Rating Limit screen, use the Ch^/v buttons and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.

The following sections give you more details about how to change the status of TV program limits.




*Selecting TV Rating Limit*

### The TV Rating Limit Screen

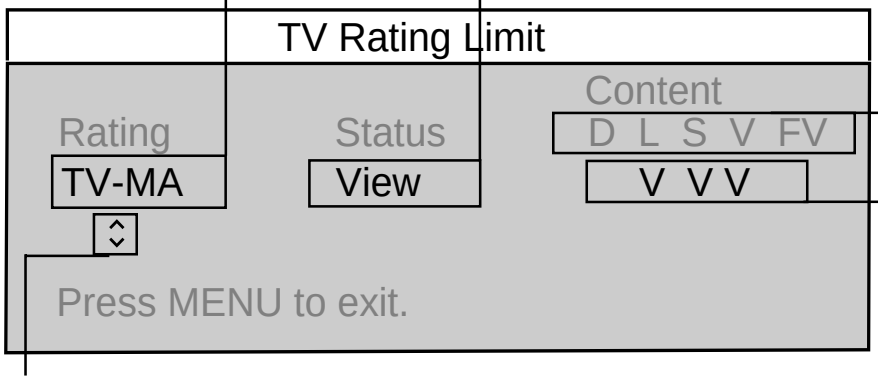
Below is an example of where items are located within the TV Rating Limit Screen.

**Rating field**

Lets you select from a list of age-based ratings you can block or view.

**Rating Status field**

Lets you select whether the status of the age-based rating limit to the left is *View* or *Block*.




**Content Themes**

Lists the content themes you can block or view.

**Content Status fields**

Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).

**Pointer Highlight**

Lets you see the position of the cursor on the screen.



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# The Menu System

## Blocking Age-Based Ratings and Content Themes

You can automatically block all program ratings or content above a specified age-based rating level using the V-Chip TV Rating Limit screen.

Refer to the chart at the beginning of this section to learn about each age-based rating and its associated content ratings.

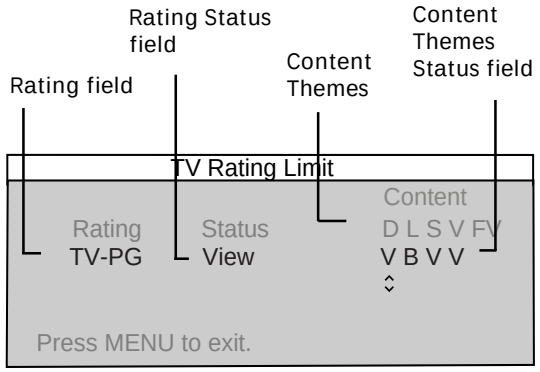
- To block all programs above a certain rating level: Highlight the Rating field, then scroll through the ratings using the CH^/v buttons until the *lowest unacceptable* rating is highlighted. Then use the VOL + button to highlight the Rating Status field and select *Block*.

  Note that when you change the status of an age-based rating to *Block*, the system will automatically block that rating and all of its content themes *and* all higher ratings and their content themes.

- To block all programs with specific content above a certain rating level: Content Themes are specific to the rating level. Therefore, you must first highlight the Rating field and scroll through the ratings using the CH^/v buttons until the *lowest* rating associated with the type of content you want to block is highlighted. Then highlight the Content Theme Status field and change the *V* to *B* under the appropriate Content Theme.

  Note that when you change the status of a Content Theme to *B*, the system will automatically block that content theme in the current rating and in all higher ratings.

- To lock your selection(s): Select *Lock Parental Controls* from the Parental Controls menu. Enter your password (if you have not already set your password, you will be prompted to enter it again to confirm).




*Blocking age-based ratings and content themes*

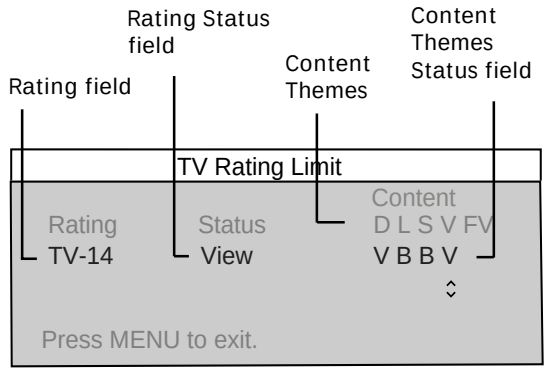
## Viewing Age-Based Ratings and Content Themes

After you have blocked age-based ratings and content themes, you have the option of selectively changing some of the ratings and themes back to *View*.

- To view ratings: Use the VOL +/- buttons to highlight the Rating Field, then use CH^/v to change its status from *Block* to *View*. When you change a specific rating to *View*, all of its Content Theme Status fields change to *V* as well. All higher ratings and content themes remain the same.

- To view content: Highlight the Rating field, then use CH^/v to select the rating whose Content Theme settings you want to change. Next, highlight the Content Theme Status that you want to change using the VOL + button; then use CH^/v to change it to *V*. It is possible to block every Content Theme in an age-based rating that is set to *View.*

  Note that only the Content Theme Status corresponding to the current age-based rating changes to *View* (*V*). Higher rated content themes do not change.




*Viewing age-based ratings and content themes*

Pressing RESET on the remote will reset all ratings to *View* and *V*.



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# The Menu System

## V-Chip Unrated Program Block

Selecting this option lets you decide if programs that the V-Chip recognizes as "unrated" can be viewed.

View All unrated programs are available.
Block No unrated programs are available.

"Unrated" TV programs may include news, sports, political, religious, local, and weather programs, and public announcements. Also, the first few seconds of a channel with rated programming may be blocked due to a brief delay (a few seconds) in the transmission of the rating.

### "Not Rated" vs. "Unrated"

All movies are assigned a rating. Some movies are given a rating of Not Rated (NR). You can assign Block or View status to the NR rating in the V-Chip Movie Rating Limit screen.

Not all television programs are assigned a rating (age-based rating). To assign View or Block status to "unrated" television programs, you must use the Unrated Programs option from the V-Chip Parental Controls menu.

## Lock/Unlock Parental Controls

Selecting this option lets you lock and unlock parental controls settings using a password.

If you forget your password, press the following buttons on the remote, one by one: MUTE, DISPLAY, CLEAR, and RESET (you must be in the password entry screen). Parental controls will then unlock and you can re-enter a password via *Lock Parental Controls*.

### Remember

When you want to watch a blocked program, press the DISPLAY button on the remote to enter your password.

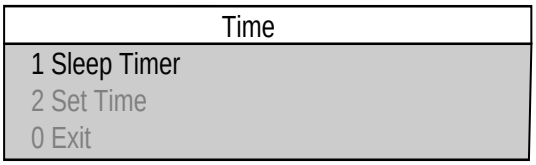
You must lock Parental Controls for TV rating and content, movie rating, and unrated program blocks to take effect.

## The Time menu

The Time menu contains the controls that let you set the Sleep Timer and Set Time functions.

Sleep Timer Displays a control panel that lets you select the amount of time you want to give the TV before it shuts itself off. Use the CH^/v buttons to increase or decrease the sleep timer by 15 minute increments. Press MENU to exit.

Set Time Displays a control panel that lets you enter the current time. Use the CH ^/v and number buttons to set the time. Press MENU to exit.




*The Time menu*



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# Troubleshooting

If you experience any difficulty with your TV, check these basic remedies before calling your service technician.

TV will not turn on or controls don't work

- Check to make sure it is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Try unplugging set for two minutes, plugging it back in, and then turning it on again.

Problems with remote

- Maybe something is between the remote and the remote sensor.
- Maybe the remote is not aimed directly at the TV's remote sensor.
- Maybe batteries in remote are weak, dead or installed incorrectly. Try replacing batteries.
- Remove batteries and hold down one or more buttons for several seconds. Install the batteries and try remote.

Turns on or off while playing

- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high.
- Maybe the component connected to the input jacks is not turned on.
- Maybe the Sleep Timer is active.

Can't select a certain channel

- Channel may be blocked or not approved in the Parental Controls menu.

Blank screen or black box appears on the screen

- Try another channel.
- Press RESET, in case the picture controls are set too low.
- Captioning may be turned on. Check the Closed-Caption Display control panel in the Screen menu.

No sound, picture okay

- Maybe sound is muted. Try pressing volume up button to restore sound.

No picture, no sound, but power is on

- Maybe cable/air function is in wrong position.
- Maybe a vacant channel is tuned.

Sound okay, picture poor

- Check antenna connections.
- Try adjusting sharpness function to improve weak signals.



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# Limited Warranty

## What your warranty covers:

- Any defect in materials or workmanship.

For how long after your purchase:

- 90 days for labor charges.
- One year for parts.
- Two years for the picture tube.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay any Authorized RCA Television Service Center the labor charges to repair your television.
- Pay any Authorized RCA Television Service Center for the new or, at our option, refurbished replacement parts and picture tube required to repair your television.

How you get service:

- For screen sizes of 26" and smaller: Take your RCA television to any Authorized RCA Television Service Center and pick up when repairs are complete.
- For screen sizes larger than 26": Request home service from any Authorized RCA Television Service Center, provided that your television is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your television to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your television to and from your home.
- To identify your nearest Authorized RCA Television Service Center, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the Authorized Service Center Representative your sales receipt or other evidence of purchase date or first rental.

## What your warranty does not cover:

- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Batteries.
- Customer replacement fuses.
- Images burned onto the screen.
- A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A television purchased or serviced outside the U.S.A.
- Acts of God, such as but not limited to lightning damage.

Product Registration:

- Please complete and mail the Product Registration Card packed with your TV. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

How state law relates to this warranty:

- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.



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THOMSON CONSUMER ELECTRONICS

## CREATING A GREENER FUTURE

At Thomson Consumer Electronics we are dedicated to the preservation of our natural heritage and to a healthy and safe way of life for current and future generations. This is a global effort which encompasses every THOMSON facility throughout the world.

We believe that clean air, clean water, a protected earth, and healthy people are not only practical and desirable goals, but achievable ones as well. Our Corporate Environmental, Health and Safety Charter acknowledges our commitment to protect these precious assets and provides a challenging vision and guideline for conducting our business.

Below are a few examples of Thomson's achievements in our efforts to preserve our natural resources.

### The Earth

Thomson reclaims millions of pounds of hazardous waste annually, diverting it from landfills.

Thomson treats millions of pounds of waste water sludge annually and renders it non-hazardous.

Thomson recycles over 50 million pounds of non-hazardous material annually that otherwise would have been treated as trash, an overall recovery rate of 50%.

Thomson globally recycles millions of pounds of broken television picture tube glass annually through both internal and external reclaim processes.

### The Air

Thomson has replaced solvent-based paints at many locations resulting in an 80% reduction in toxic air emissions for equivalent material used.

Thomson has eliminated the use of ozone-depleting substances at television manufacturing facilities around the world.

Thomson collects and returns over 1.5 million pounds of glass and furnace dust to the glass making process annually.

Thomson has launched worldwide energy savings programs which contribute to efforts to reduce air emissions from electrical generating facilities.

### The water

Thomson recovers over 2 million pounds of fine glass particles from process water each year and recycles them back into its glass furnaces.

Thomson's state-of-the-art waste water treatment plants filter out over 26 million pounds of solids from process water each year.

Thomson's U.S. glass factory recycles 2,500 gallons of water per minute and cleans 2.6 million gallons of water per day.

Thomson is researching new processes and is developing new manufacturing equipment and technologies to further reduce large volume water use.

Thomson has also increased its usage of recycled materials for packaging of our products. For example, in Mexico our television plants use recycled content in our television cartons and instruction booklets. The inks used for the print on cartons and instruction booklets are soy based. For a free brochure regarding Thomson's Environmental Health and Safety Programs, write to Thomson Consumer Electronics' address below, attention Environmental Programs: INH340.

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Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

THOMSON CONSUMER ELECTRONICS
10330 North Meridian Street
Indianapolis, IN 46290

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